$$\tau_{xy} = \frac{E}{2(1+\mu)}\gamma_{xy}; \qquad (13)$$

[illegible]:

$$\frac{1-\mu}{1-2\mu^2}\frac{\partial^2 u}{\partial x^2} + \frac{\mu}{1-2\mu^2}\frac{\partial^2 v}{\partial x \partial y} + \frac{1}{2(1+\mu)}\left(\frac{\partial^2 u}{\partial y^2} + \frac{\partial^2 v}{\partial x \partial y}\right) = 0;$$

$$\frac{1}{2(1+\mu)}\left(\frac{\partial^2 u}{\partial x \partial y} + \frac{\partial^2 v}{\partial x^2}\right) + \frac{\mu}{1-2\mu^2}\frac{\partial^2 u}{\partial x \partial y} + \frac{1-\mu}{1-2\mu^2}\frac{\partial^2 v}{\partial y^2} = 0. \qquad (14)$$

[illegible] (14) [illegible]:

$$U_{i,j} = k_{11}(U_{i+1,j}+U_{i-1,j})+k_{12}(U_{i,j+1}+U_{i,j-1})+$$
$$k_{13}(V_{i+1,j+1}-V_{i-1,j+1}-V_{i+1,j-1}+V_{i-1,j-1});$$
$$V_{i,j} = k_{21}(V_{i+1,j}+V_{i-1,j})+k_{22}(V_{i,j+1}+V_{i,j-1})+$$
$$k_{23}(U_{i+1,j+1}-U_{i-1,j+1}-U_{i+1,j-1}+U_{i-1,j-1} \qquad (15)$$

[illegible] $k_{11}$, [illegible] $k_{23}$ [illegible].

[illegible] $\Delta x/2 \cdot \Delta y/2$ [illegible] (15) [illegible].

[illegible] 4 [illegible];

[illegible] 2)

$$\sigma_y = -t;$$

[illegible]

[illegible] 3, 5 [illegible] 6-10

$$\sigma = 0; \; \sigma_y = 0; \; \tau_{xy} = 0$$

[illegible] $h_k = S$, [illegible] $S$ [illegible] $t_{max} = 1.5\,t$ [illegible].

## [illegible]

1. [illegible] // [illegible] - 1980.- [illegible] .90-94
2. [illegible], 1997. - 218 [illegible]
3. [illegible] 1973. - 246 [illegible]
4. [illegible] 1984. [illegible] 679 [illegible]

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[illegible] 624.012.45

[illegible]

# [illegible]

[illegible] [1-3] [illegible] [1, 2, 3] [illegible] [4] [illegible] [4].

[illegible], 267/2.
[illegible], 267/2.
[illegible], 267.

[illegible] Lira-Windows [illegible] 3000 [illegible]

[illegible] $L = 275$ [illegible] $L_ф = 220$ [illegible] $L_к = 55$ [illegible]

[illegible] $\Delta = 26.5$ [illegible] $32.7$ [illegible] $1/1000$ [illegible]

[illegible] (2..3 [illegible]) [illegible] [1, 2] [illegible] $J = 3 \cdot J (L/L)^2$ [illegible]

[illegible] [4].

## [illegible]

1. [illegible]
2. [illegible]

## [illegible]

1. [illegible] № 1, [illegible] 2, [illegible] 1997 – [illegible] 24 - 39.
2. [illegible] № 1, [illegible] 2, [illegible] 1997 – [illegible] 40 – 56.
3. [illegible] -01 [illegible] 1998 – [illegible] 24 – 41.
4. [illegible] 49-[illegible]/98. [illegible] 1999.